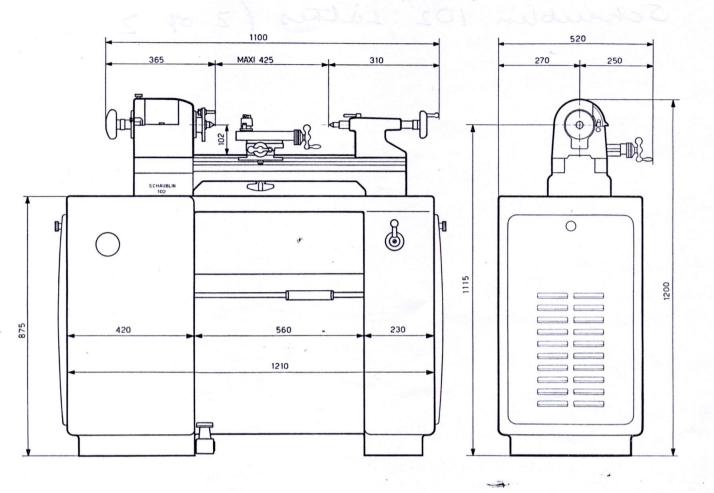
MAIN CHARACTERISTICS OF SCHAUBLIN LATHES 102 AND BASE 102-80

CAPACITIES		Toolmaker's lathe	Second-operation lathe 102 (4 ¹ / ₆₄) 450 (17 ²³ / ₃₂)		Turret lathe	
Height of centres	mm (in.) mm (in.) mm (in.) mm (in.)	102 (4 ¹ / ₆₄) 425 (16 ⁴⁷ / ₆₄) —			102 (4 ¹ / ₆₄) - 300 (11 ¹³ / ₁₆)	
Bed Length	mm (in.) mm (in.)			5 ⁷ / ₁₆) 6 ⁵ / ₈)	900 (35 ⁷ / ₁₆) 168 (6 ⁵ / ₈)	
Headstocks for collets	type mm (in.) mm (in.) mm (in.) mm (in.)	mm (in.) - 20 (25/32) mm (in.) 14,5 (9/16) mm (in.) 32 (11/4) mm 75-100-125		20 * 5/ ₃₂) 9/ ₁₆) 1/ ₄) 0-125 / ₁₆₋₄ 15/ ₁₆	F27 * 22 (⁷ / ₈) 37 (1 ⁷ / ₁₆) 75 -100 -125 (2 ^{15/} 16-3 ^{15/} 16-4 ^{15/} 16)	
Carriages Stroke of longitudinal slide	mm (in.) mm (in.) mm (in.) mm (in.) mm (in.)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		3 ³ / ₈) 2 ³ / ₈) - 4 ³ / ₄)	cutting-off — 90 (3 ¹ / ₂) 85 (3 ³ / ₈) 10×12 (¹³ / ₃₂ × ¹⁵ / ₃₂	
Turret carriage Diameter of six holes in turret	mm (in.) mm (in.)			-	20 (.787) 80 (3 ⁵ / ₃₂)	
Tailstocks Internal taper of spindle	mm (in.) mm (in.)	2° — 80 (3 ⁵ / ₃₂)	lever-operated W20 W25 — — — 20 25 (.787) (.984) 90 110 (31/ ₂) (411/ ₃₂)		- - -	
Weight (with standard equipment) Net	kg (lbs) kg (lbs)	85 (190) 110 (245)	90 (200) 115 (255)		110 (245) 135 (300)	
Overall size (length-depth-height)	cm (in.)	113×40×38 (44 ¹ / ₂ ×15 ³ / ₄ ×15) (53 ¹ / ₄ ×20×15)		117×43×46 (46×17×18)		
Packing (dimensions of case)	cm (in.)	105×50×50 (41¹/ ₂ ×20×20) (41¹/ ₂ ×20×			105×50×50 (41 ¹ / ₂ ×20×20)	
Base		cm 135×61×88 (in.) (53 ¹ / ₄ ×24×34 ³ / ₄) (5 cm 175×90×150			vith bench 102-82	
Weight	(in.)				265 (585) 135×61×88 3 ¹ / ₄ ×24×34 ³ / ₄) 175×90×150 69×35 ¹ / ₂ ×59)	



RANGE OF NORMAL SPINDLE SPEEDS*

(pole-changing three-phase motor, ½-1 ¼ hp, 750/3000 rpm)

Item No.	Description	Туре	With countershaft 102-80.100			With speed-reduction unit 102-81.100			With variable- speed unit			
			Speed	s rpm	No. of speeds	Speed	s rpm	No. of speeds	102-81.200 rpm			
102-22 102-24 102-31 102-35	W 20 headstock with plain bearings W 20 headstock with antifriction bearings W 25 headstock with antifriction bearings F 27 headstock with antifriction bearings	closed closed closed closed	200 to 3000		12	40 to 3000		24	All speeds from 270 to 3000 (special motor, 750/1500 rpm, .9-11/4 hp)			
		with head- stock reduc- tion gear	Direct drive		with head- stock reduc- tion gear	Direct drive		with head- stock reduc- tion gear	Direct drive			
102-27	W 20 geared headstock with antifriction bearings W 25 geared headstock with antifriction bearings	closed	40 to 3000	200 to 3000	24	8 to 3000	40 to 3000	36	All spee 55 to 3000	270 to 3000		
102-36	F 38 headstock with antifriction bearings	closed	250 to 2000		250 to 2000		8	50 to 2000		14	270 to 3000	
102-37	F64 headstock with antifriction bearings	closed			0	50 to 2000		16		-		

^{*} For details of normal speeds, see page 13
For details of special speeds, see pages 14 and 15